

Quantitative Methods – Final Assessment

Project Titles 2014/15

Notes

This is a (nearly) complete list of the project titles from last year's QM final assessment. I have also added a short description of the project in square brackets where necessary.

The list is intended to provide a sense of the breadth of topics covered by those who completed the assignment. These are not intended to be seen as model titles. As you may observe, some are quite vague.

You should aim to choose a title that is fairly specific, preferably presented as an open research question. For example, rather than “Research on women's re-employment”, a suitable title might be: “What factors impact on the re-employment rate of women following career breaks and how can this impact be quantified?”

List of Titles

- Wearables, Health and Cities
[Analysing data from heart rate monitors]
- UNTITLED
[Connection between property values and transport infrastructure in Shenzhen, China]
- Event/Social Media Analytics
[Analysing clicks generated by posts on a Facebook page]
- Living Guide based on Cultural Concentration
[Encouraging cooperation through considering the distribution of different cultural groups]
- Energy Efficiency In South West London
[Identify areas in SW London where energy consumption could be reduced]
- Traffic counts in London Borough of Lambeth
[Predict future traffic flow]
- How do quotas affect price volatility?
[How do Singapore vehicle quotas affect the price of vehicle licences]
- Research on women's re-employment
[Factors impacting on women's re-employment following career breaks]
- Why are young people leaving London?
[Possible quantitative factors driving observed reduction in young population]
- Study into the clustering of food services businesses in relation to popularity and the type of service provided
- Is it worth pursuing further study after undergraduate study?

- Identifying Food Deserts and Comparing Racial Demographics by Clustering of Store Locations and Distance in Chicago, Illinois
- Improving information for bike sharers in Paris
[Forecasting bike availability at stations]
- Children's practice of sport in the city
[Link between sporting activity and health outcomes in children]
- The relationship between the underground transport network and the distribution of residents in London
- A Statistical Analysis of the Performance of the Mayor of Bristol
- Continuous on-street bicycle lanes: A cost-benefit analysis
- How might connections and relationships between people influence the spread of a message through a network?
- Estimation of the mortality risk associated with outdoor running activity in the Greater London Area
- Which London boroughs would benefit most from reducing mortality due to tobacco smoking?
- Demand Adaptive Transport Units in Existing Transportation Networks
[How can transport systems adapt to demand with new technology?]
- Juvenile Delinquency Model Associated With Other Youth Problems
[Link between measures of youth deprivation and youth crime/antisocial behaviour]
- Demographics and Transport Demand
[Differing transport preferences of different demographic groups]